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In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method for determining the ratio of oxidized cardiac troponin I to reduced cardiac troponin I in a patient sample, comprising:

a) contacting the patient sample with

i) a first antibody that specifically binds to both oxidized and reduced cardiac troponin I, wherein said oxidized and reduced cardiac troponin I bind to the first antibody in an amount proportional to their ratio in the sample, and

ii) a second antibody that specifically binds to one of oxidized or reduced cardiac troponin I, whereby said first and second antibodies form a complex comprising one of said oxidized or reduced cardiac troponin I present in said sample, and **wherein if said second antibody forms a complex comprising oxidized troponin I, said second antibody does not form a complex comprising reduced troponin I and wherein if said second antibody forms a complex comprising reduced troponin I, said second antibody does not form a complex comprising oxidized troponin I** ~~do not form a complex comprising the other of said oxidized or reduced cardiac troponin I present in said sample~~; and

b) generating a signal corresponding to the amount of said complex formed and relating said signal to said ratio.

2. (Original) A method according to claim 1, wherein one of said first or second antibodies is attached to a signal generating element, and the other of said first or second antibodies is attached to a solid phase.

3. (Original) A method according to claim 2, wherein said signal generating element comprises an enzyme, a colloidal metal particle, a latex particle, or a silica particle.

4. (Original) A method according to claim 1, wherein said signal is detected by fluorometric measurement.

5. (Original) A method according to claim 1, wherein said signal is detected by absorbance measurement.

6. (Original) A method according to claim 1, wherein said signal is detected by pH measurement.

7. (Original) A method according to claim 1, wherein said signal is generated from a separate component that specifically binds to said complex and that is attached to a signal generating element.

8. (Original) A method according to claim 1, wherein said relating step comprises comparing said signal to a standard curve calculated using known ratios of oxidized and reduced cardiac troponin I.

9. (Original) A method according to claim 1, wherein said relating step comprises the use of a normalizing factor calculated using known ratios of oxidized and reduced cardiac troponin I.

10. (Original) A method according to claim 1, wherein said patient sample is contacted with said first and second antibodies simultaneously in the same vessel.

11-16. (Canceled)

17. (Original) A method according to claim 1, wherein said ratio is further related to the occurrence of a myocardial infarction in said patient.